

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims, including those in the First Preliminary Amendment, in the application:

Listing of Claims:

Claim 1 (currently amended): A copper foil with a blackened surface or layer ~~wherein~~ formed on one or both surfaces ~~of a copper foil is subject~~ thereof by being subjected to black treatment, and said blackened surface or layer of said copper foil having a color difference $\Delta L^* \leq -70$ and chroma $C^* \leq 15$ ~~of a black treated surface~~ when measured by a color difference meter represented by ~~black;~~ black, $\Delta L^* = -100$, ~~white;~~ and white, $\Delta L^* = 0$, and said blackened surface or layer of said copper foil having coarsened grains of $1\mu\text{m}$ or less and surface roughness Ra of $0.5\mu\text{m}$ or less, Rt of $4.0\mu\text{m}$ or less, and Rz of $3.5\mu\text{m}$ or less.

Claim 2 (currently amended): ~~The~~ A copper foil with a blackened surface or layer according to claim 1, wherein ~~one or both surfaces of a copper foil is subject to black treatment,~~ and the surface subject to black treatment has a glossiness ≤ 15 .

Claims 3-12 (canceled).

Claim 13 (new): A copper foil with a blackened surface or layer according to claim 2, wherein said blackened surface or layer is coated with an electro-plated coating of at least one of Co, Ni-Cu, Co-Cu and Ni-Co-Cu.

Claim 14 (new): A copper foil with a blackened surface or layer according to claim 13, wherein an Ni mass of deposit per unit area in Ni-Cu plating is 200 to 1000mg/m^2 , or an

Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Cu plating, is 250 to 1500mg/m².

Claim 15 (new): A copper foil with a blackened surface or layer according to claim 13, wherein Ni + Co mass of deposit per unit area in Ni-Co-Cu plating is 130 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Co-Cu plating, is 250 to 1500mg/m².

Claim 16 (new): A copper foil with a blackened surface or layer according to claim 13, wherein a Co mass of deposit per unit area in Co-Cu plating is 300 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co-Cu plating, is 350 to 1500mg/m².

Claim 17 (new): A copper foil with a blackened surface or layer according to claim 13, wherein a Co mass of deposit per unit area in Co plating is 1000 to 5000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co plating, is 1050 to 2000mg/m².

Claim 18 (new): A copper foil with a blackened surface or layer according to claim 13, wherein the copper foil is an electrolytic copper foil or a rolled copper foil of 8 to 18μm.

Claim 19 (new): A copper foil with a blackened surface or layer according to claim 18, further comprising a rust prevention layer on said blackened surface or layer.

Claim 20 (new): A copper foil with a blackened surface or layer according to claim 19, wherein said rust prevention layer is of at least one of Cr, Zn, Zn-Ni, and Zn-Ni-P.

Claim 21 (new): A copper foil with a blackened surface or layer according to claim 20, wherein said copper foil is a plasma display copper foil.

Claim 22 (new): A copper foil with a blackened surface or layer according to claim 1, wherein said blackened surface or layer is coated with an electro-plated coating of at least one of Co, Ni-Cu, Co-Cu and Ni-Co-Cu.

Claim 23 (new): A copper foil with a blackened surface or layer according to claim 22, wherein an Ni mass of deposit per unit area in Ni-Cu plating is 200 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Cu plating, is 250 to 1500mg/m².

Claim 24 (new): A copper foil with a blackened surface or layer according to claim 22, wherein Ni + Co mass of deposit per unit area in Ni-Co-Cu plating is 130 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Ni-Co-Cu plating, is 250 to 1500mg/m².

Claim 25 (new): A copper foil with a blackened surface or layer according to claim 22, wherein a Co mass of deposit per unit area in Co-Cu plating is 300 to 1000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co-Cu plating, is 350 to 1500mg/m².

Claim 26 (new): A copper foil with a blackened surface or layer according to claim 22, wherein a Co mass of deposit per unit area in Co plating is 1000 to 5000mg/m², or an Ni + Co mass of deposit per unit area of a plated surface subject to Ni or Ni-Co plating, after the Co plating, is 1050 to 2000mg/m².

Claim 27 (new): A copper foil with a blackened surface or layer according to claim 1, wherein the copper foil is an electrolytic copper foil or a rolled copper foil of 8 to 18μm.

Claim 28 (new): A copper foil with a blackened surface or layer according to claim 1, further comprising a rust prevention layer on said blackened surface or layer.

Claim 29 (new): A copper foil with a blackened surface or layer according to claim 28, wherein said rust prevention layer is of at least one of Cr, Zn, Zn-Ni, and Zn-Ni-P.

Claim 30 (new): A copper foil with a blackened surface or layer according to claim 1, wherein said copper foil is a plasma display copper foil.